

RF modem 300 to be dimensioned to fit within a cradle for a PDA or enables RF modem 300 to be dimensioned to correspond to a PCMCIA personal computer card. Thus, RF modem 300 can be designed to be housed inside the host computing device or it can be connected external to the host computing device. Moreover, the above components of RF modem 300 are electrically connected as illustrated by the solid lines in Fig. 3 between those components.--

Please replace the paragraph beginning at page 9, line 18, with the following rewritten paragraph:

--Fig. 4 is a schematic illustration of a host computer 400 designed to work in conjunction with wireless RF modem 300 of Fig. 3. Host computer 400 contains a Power Source 440, a Memory 420, of type ROM, RAM, SRAM, Flash, or some combination of memory types, accessible to CPU 430. Computer system I/O circuitry 460 is shown connecting CPU 430 to a clock 490, to an Analog Baseband & Codec 425 and to the Power Source 440. Analog Baseband & Codec 425 performs baseband processing and protocol stack control and is available, for instance, from Analog Devices of Norwood, MA. Data is sent or received through Baseband to RF interface 475 to the RF to Baseband connector 375 in RF modem 300. The above components of host computer 400 are electrically connected as illustrated by the solid lines in Fig. 4 between those components.--

IN THE CLAIMS

Please amend the Claims 1, 8, 9, 13, 15, 17, 19-22, and 24 as follows:

1. (amended) A wireless radio frequency (RF) modem constructed to cooperatively operate with a host computing device having a memory, a central processing unit ("CPU") for executing a protocol stack software program stored in said memory, and a baseband processing unit, said RF modem comprising:

an antenna;

an RF head coupled to said antenna and configured during a receive mode to receive an electromagnetic RF signal through said antenna and to convert said RF signal into a modulated baseband signal for baseband processing in said host computing device, said RF head further configured during a transmit mode to receive a modulated baseband signal generated by